

**SYNCHRONOUS GENERATOR FOR SERVICE IN WIND POWER PLANTS,
AS WELL AS A WIND POWER PLANT**

Abstract

A synchronous generator comprising a stator and a motor movable relative to the stator. The generator contains a plurality of poles for generating electrical energy. The time behavior of the voltage induced in one or several stator windings essentially approximates the current time behavior in one stator winding or the sum of at least several component currents. The poles are positioned asymmetrically on the rotor.